Amendments to the Specification:

Please replace the paragraph beginning at line 30, page 5, with the amended paragraph.

Figure 5 illustrates the DFE (Decision Feedback Equalizer). The DFE's input sequence $s_2[n]$ is first rotated by an adaptive rotator 501, by an angle $\theta[n]$. The rotated sequence is then filtered by an FFE (Feed Forward Equalizer) FiR filter 502 whose taps' values are $c_n[1] .. c_n[M]$ ($M \geq 1$), to produce output signal $s_4[n]$. Signal $s_4[n]$ is then summed 507 with the output of an adaptive FIR filter 504 whose taps are $d_n[1] .. d_n[N]$, $N \geq 0$, and which is driven by the sequence of detected symbols $\hat{a}[n]$. The result of this summation is equalized sequence $s_5[n]$, 506. The sequence 506 is fed to a symbol detector 503 that employs a memoryless nearest neighbor decision rule, based on the transmitted symbols' I-Q constellation to generate the sequence $\hat{a}[n]$. We note that in this preferred embodiment, a single memoryless decision rule is employed. However, the present invention can be employed in a receiver that employs a more accurate detection scheme such as an approximate nearest sequence detector which is the maximum likelihood sequence estimator when the noise of the input of unit 503 has a Gaussian distribution.